

26788-024 sequence listing.txt
SEQUENCE LISTING

BEST AVAILABLE COPY

<110> Nucleonics, Inc.
 Pachuk, Catherine
 Satishchandran, C.
 Zurawksi, Vincent
 Mintz, Liat

<120> Conserved HBV and HCV Sequences Useful for Gene Silencing

<130> 26788-024

<160> 76

<170> PatentIn version 3.2

<210> 1
 <211> 138
 <212> DNA
 <213> Hepatitis B virus

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<210> 2
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<400> 2
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<222> (174)..(174)
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<222> (177)..(177)
<223> n is a, c, g, or t

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cgcatgcgtg gaaccttbn gkctcctctg ccgatccata ctgcggaact cctngcngcb 180
tgtttygctc gcagcmggtc tggrrgc 206

<210> 4
<211> 119
<212> DNA
<213> Hepatitis B virus

<400> 4
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<211> 102
<212> DNA
<213> Hepatitis B virus

<400> 5
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cgtcgcagaa gatctcaaty tcggaaatct yaatgttagt at 102

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<211> 100
<212> DNA
<213> Hepatitis B virus

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tcgcagaaga tctcaatytc gggaaatctya atgttagtat 100

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<211> 101
<212> DNA
<213> Hepatitis B virus

<400> 7
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gtcgcagaag atctcaatytc cgaaatctya aatgttagta t 101

<210> 8
<211> 101
<212> DNA
<213> Hepatitis B virus

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<400> 8
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gtcgcagaag atctcaatyt cggaaatcty aatgttagta t 101

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<223> n is a, c, g, or t

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<212> DNA
<213> Hepatitis B virus

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ctgccaactg gathcthgc gggacgtcct ttgttacgt cccgtcrgcg ctgaatcchg 60
cggacgaccc n 71

<210> 11
<211> 490
<212> DNA
<213> Hepatitis C virus

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<223> n is a, c, g, or t

<220>

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<221> misc_feature
<222> (434)..(434)
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<222> (455)..(455)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (488)..(488)
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aaccggtag tacaccggaa ttgccrrgah gaccgggtcc tttcttggat daaccgcctc 180
watgccyggaa vatttgggctg tgccccggcr agacygctag ccgagtagyyg ttgggtygctg 240
aaaggccttg tggtactgcc tgatagggtg cttgcgagtg ccccgagg tctcgtagac 300
cgtgcahcat gagcacrmwt cchaaacchc aaagaaaaac caaamgwaac accaaccgyc 360
gcccacagga cghaaagttc ccgggyggggh ghcagatcgt tggbggagth tacbtgtgc 420
cgcgcagggg cccnmvdttg ggtgtgcgcg cgacnaggaa gacttcgbgar cggtcncarc 480
chcghgnag 490

<210> 12
<211> 29
<212> DNA
<213> Hepatitis C virus

<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

<400> 12
atggcntggg atatgatgat gaactggyc 29

<210> 13
<211> 265
<212> DNA
<213> Homo sapiens

<400> 13
aaggctcgggc aggaagaggg cctatccccc atgattcctt catatttgcata tatacgatac 60
aaggctgtta gagagataat tagaattaat ttgactgtaa acacaaagat attagtacaa 120
aatacgtgac gtagaaagta ataattctt ggtagtttg cagttttaaa attatgtttt 180
aaaatggact atcatatgct taccgtaact tgaaagtatt tcgatttctt ggctttat 240

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atcttgtgga aaggacgaaa caccg 265

<210> 14
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 788-808 in GenBank accession # V01460

<400> 14
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<210> 15
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 807-827 in GenBank accession # V01460

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ttcttcttctt aggggacacctg cagagaactt gcaggtcccc tagaagaaga a 51

<210> 16
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 1291-1311 in GenBank accession # V01460

<400> 16
aagccaccca aggcacagct tagagaactt aagctgtgcc ttgggtggct t 51

<210> 17
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 1299-1319 in GenBank accession # V01460

<400> 17
caaggcacag cttggaggct tagagaactt aagcctccaa gctgtgcctt g 51

<210> 18
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 1737-1757 in GenBank accession # V01460

<400> 18
ggattcagcg ccgacgggac gagagaactt cgtcccgatcg gcgctgaatc c 51

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<210> 19
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 1907-1927
in GenBank accession # V01460

<400> 19
ttccgcagta tggatcgcca gagagaactt ctgccatcc atactgcgga a 51

<210> 20
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 1912-1932
in GenBank accession # V01460

<400> 20
cagtatggat cggcagagga gagagaactt ctcctctgcc gatccatact g 51

<210> 21
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 1943-1963
in GenBank accession # V01460

<400> 21
tccacgcatg cgctgatggc cagagaactt ggccatcagc gcatgcgtgg a 51

<210> 22
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 1991-2011
in GenBank accession # V01460

<400> 22
tgcgtcagca aacacttggc aagagaactt tgccaagtgt ttgctgacgc a 51

<210> 23
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 2791-2811
in GenBank accession # V01460

<400> 23
aaaacgcccgc agacacatcc aagagaactt tggatgtgtc tgcggcggttt t 51

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<210> 24
<211> 51
<212> DNA
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<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 2791-2811mut in GenBank accession # V01460

<400> 24
aaaacaccac acacgcattc aagagaactt tggatgcgtg tgtgggttt t 51

<210> 25
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 2912-2932 in GenBank accession # V01460

<400> 25
ttgagagaag tccaccacga gagagaactt ctcgtgtgg acttctctca a 51

<210> 26
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 2919-2939 in GenBank accession # V01460

<400> 26
aagtccacca cgagtctaga cagagaactt gtctagactc gtgggtggact t 51

<210> 27
<211> 101
<212> DNA
<213> Hepatitis C virus

<400> 27
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actgcagaga gtgctgatac tggcctctct gcagatcaag t 101

<210> 28
<211> 29
<212> DNA
<213> Artificial

<220>
<223> siRNA encoding sequence mapping to X region of Hepatitis C Virus

<400> 28
gctaaacact ccaggccaat acctgtctc 29

<210> 29
<211> 29
<212> DNA
<213> Artificial

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<220> siRNA encoding sequence mapping to X region of Hepatitis C Virus
<223> <400> 29
tcctttggtg gctccatctt acctgtctc 29

<210> 30
<211> 29
<212> DNA
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<220> siRNA encoding sequence mapping to X region of Hepatitis C Virus
<223> <400> 30
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<210> 31
<211> 29
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<220> siRNA encoding sequence mapping to X region of Hepatitis C Virus
<223> <400> 31
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<210> 32
<211> 29
<212> DNA
<213> Artificial

<220> siRNA encoding sequence mapping to X region of Hepatitis C Virus
<223> <400> 32
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<210> 33
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<213> Artificial

<220> siRNA encoding sequence mapping to X region of Hepatitis C Virus
<223> <400> 33
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<210> 34
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<213> Artificial

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<223> <400> 34
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<210> 35
<211> 29
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<213> Artificial

<220>
<223> siRNA encoding sequence mapping to X region of Hepatitis C Virus

<400> 35
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<210> 36
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<220>
<223> siRNA encoding sequence mapping to X region of Hepatitis C Virus

<400> 36
actggcctct ctgcagatca acctgtctc 29

<210> 37
<211> 21
<212> DNA
<213> Artificial

<220>
<223> siRNA encoding sequence mapping to X region of Hepatitis C Virus

<400> 37
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<210> 38
<211> 21
<212> DNA
<213> Artificial

<220>
<223> siRNA encoding sequence mapping to X region of Hepatitis C Virus

<400> 38
tgcagagagt gctgatactg g 21

<210> 39
<211> 21
<212> DNA
<213> Artificial

<220>
<223> siRNA encoding sequence mapping to X region of Hepatitis C Virus

<400> 39
tgagccgctt gactgcagag a 21

<210> 40
<211> 20
<212> DNA
<213> Artificial

<220>
<223> siRNA encoding sequence mapping to X region of Hepatitis C Virus

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<400> 40
gaaagggtccg tgagccgctt 20

<210> 41
<211> 21
<212> DNA
<213> Artificial

<220>
<223> siRNA encoding sequence mapping to X region of Hepatitis C Virus

<400> 41
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<210> 42
<211> 21
<212> DNA
<213> Artificial

<220>
<223> siRNA encoding sequence mapping to X region of Hepatitis C Virus

<400> 42
ttagcccttag tcacggctag c 21

<210> 43
<211> 21
<212> DNA
<213> Artificial

<220>
<223> siRNA encoding sequence mapping to X region of Hepatitis C Virus

<400> 43
tccatcttag ccctagtcac g 21

<210> 44
<211> 21
<212> DNA
<213> Artificial

<220>
<223> siRNA encoding sequence mapping to X region of Hepatitis C Virus

<400> 44
ttggtgttc catcttagcc c 21

<210> 45
<211> 21
<212> RNA
<213> Hepatitis C virus

<400> 45
aaccucaaag aaaaacccaa c 21

<210> 46
<211> 21
<212> RNA
<213> Artificial

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<220>
<223> lamin siRNA

<400> 46
aacuggacuu ccagaagaac a

21

<210> 47
<211> 2652
<212> DNA
<213> Bacteriophage T7

<400> 47	
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tctggcatcc	agcacttctc	cgcgatgctc	cgagatgagg	taggtggtcg	cgcggttaac	1680
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ctggcttacg	gtgttactcg	cagtgtact	aagcgttcag	tcatgacgct	ggcttacggg	1920
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<210> 48
<211> 323
<212> DNA
<213> Artificial

<220>
<223> T7 polymerase-based eirNA

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	ccggtgagta	caccggattt	gccaggacga	ccgggtccctt	tcttggatga	acccgctcaa	180
	tgcctggaga	tttgggcgtg	cccccgcgag	actgctagcc	gagtagtgtt	gggtcgcgaa	240
	aggcccttgc	gtactgcctg	atagggtgct	tgcgagtgcc	ccgggaggtc	tcgtagaccg	300
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<210> 49
<211> 51
<212> DNA
<213> Artificial

<220>
<223> eirNA encoding sequence mapping to HBV-AYW coordinates 799-779 in GenBank accession # V01460

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<400> 49
gcctcgaga cgaaggctc aagagaactt tgagaccttc gtctgcgagg c 51

<210> 50
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eirNA encoding sequence mapping to HBV-AYW coordinates 788-808 in
GenBank accession # V01460

<400> 50
cgtctgcgag gcgagggagt t 21

<210> 51
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eirNA encoding sequence mapping to HBV-AYW coordinates 807-827 in
GenBank accession # V01460

<400> 51
ttcttcttctt aggggacacctg c 21

<210> 52
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eirNA encoding sequence mapping to HBV-AYW coordinates 1291-1311
in GenBank accession # V01460

<400> 52
aagccaccca aggcacagct t 21

<210> 53
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eirNA encoding sequence mapping to HBV-AYW coordinates 1299-1319
in GenBank accession # V01460

<400> 53
caaggcacag cttggaggct t 21

<210> 54
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eirNA encoding sequence mapping to HBV-AYW coordinates 1737-1757
in GenBank accession # V01460

<400> 54

ggattcagcg ccgacgggac g

<210> 55
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eirNA encoding sequence mapping to HBV-AYW coordinates 1907-1927
in GenBank accession # V01460

<400> 55
ttcccgagta tggatcgca g

<210> 56
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eirNA encoding sequence mapping to HBV-AYW coordinates 1912-1932
in GenBank accession # V01460

<400> 56
cagtagatggat cggcagagga g

<210> 57
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eirNA encoding sequence mapping to HBV-AYW coordinates 1943-1963
in GenBank accession # V01460

<400> 57
tccacgcatg cgctgatggc c

<210> 58
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eirNA encoding sequence mapping to HBV-AYW coordinates 1991-2011
in GenBank accession # V01460

<400> 58
tgcgtcagca aacacttggc a

<210> 59
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eirNA encoding sequence mapping to HBV-AYW coordinates 2791-2811
in GenBank accession # V01460

<400> 59
aaaacgccgc agacacatcc a

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<210> 60
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 2912-2932
in GenBank accession # V01460

<400> 60
ttgagagaag tccaccacga g 21

<210> 61
<211> 21
<212> DNA
<213> Artificial

<220>
<223> eiRNA encoding sequence mapping to HBV-AYW coordinates 2919-2939
in GenBank accession # V01460

<400> 61
aagtccacca cgagtctaga c 21

<210> 62
<211> 21
<212> DNA
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26788-024 sequence listing.txt

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21

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21

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21

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21

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21

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26788-024 sequence listing.txt

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26788-024 sequence listing.txt

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<223> HCVXM-35 dsRNA

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